

## FY2005 VERMONT CSP ENHANCEMENT COST LIST

Practice Code		Practice Name	Component	Unit Type	Unit Cost (\$/unit/year)	Cost Type	Cost Share
CSP01	1	Air Resource Management Enhancement	Use properly placed windbreaks near livestock production waste storage and loafing areas to reduce airborne odors.	acre	\$5.00	FR	100
CSP01	2	Air Resource Management Enhancement	Reduce nitrogen losses and odor by injecting manure.	acre	\$5.00	FR	100
CSP02	1	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.1.	acre	\$1.16	FR	100
CSP02	2	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.2.	acre	\$2.23	FR	100
CSP02	3	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.3.	acre	\$3.48	FR	100
CSP02	4	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.4.	acre	\$4.64	FR	100
CSP02	5	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.5.	acre	\$5.80	FR	100
CSP02	6	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.6.	acre	\$6.96	FR	100
CSP02	7	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.7.	acre	\$8.12	FR	100
CSP02	8	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.8.	acre	\$9.28	FR	100
CSP02	9	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 0.9.	acre	\$10.44	FR	100
CSP02	10	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.0.	acre	\$11.60	FR	100
CSP02	11	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.1.	acre	\$12.76	FR	100
CSP02	12	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.2.	acre	\$13.92	FR	100
CSP02	13	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.3.	acre	\$15.08	FR	100
CSP02	14	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.4.	acre	\$16.24	FR	100
CSP02	15	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.5.	acre	\$17.40	FR	100
CSP02	16	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.6.	acre	\$18.56	FR	100
CSP02	17	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.7.	acre	\$19.72	FR	100

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CSP02	18	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.8.	acre	\$20.88	FR	100
CSP02	19	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 1.9.	acre	\$22.04	FR	100
CSP02	20	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.0.	acre	\$23.20	FR	100
CSP02	21	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.1.	acre	\$24.36	FR	100
CSP02	22	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.2.	acre	\$25.52	FR	100
CSP02	23	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.3.	acre	\$26.68	FR	100
CSP02	24	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.4.	acre	\$27.84	FR	100
CSP02	25	Soil Management Enhancement	Improve soil conditioning and quality by implementing conservation measures that result in a Soil Conditioning Index (SCI) score of at least 2.5 or greater.	acre	\$29.00	FR	100
CSP02	26	Soil Management Enhancement	Reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) between 31 and 60	Acre	\$0.50	FR	100
CSP02	27	Soil Management Enhancement	Reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) between 16 and 30	Acre	\$1.00	FR	100
CSP02	28	Soil Management Enhancement	Reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) of 15 or less	Acre	\$2.00	FR	100
CSP02	29	Soil Management Enhancement	Using GPS or other similar guided measure technology, reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) between 31 and 60	Acre	\$1.00	FR	100
CSP02	30	Soil Management Enhancement	Using GPS or other similar guided measure technology, reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) between 16 and 30	Acre	\$2.00	FR	100
CSP02	31	Soil Management Enhancement	Using GPS or other similar guided measure technology, reduce soil compaction by controlling areas of traffic that result in a Soil Tillage Intensity Rating (STIR) of 15 or less	Acre	\$4.00	FR	100
CSP03	1	Irrigation Management Enhancement	Irrigation Enhancement Index Level 1 - 60 - 64%	acre	\$2.00	FR	100
CSP03	2	Irrigation Management Enhancement	Irrigation Enhancement Index Level 2 - 65 -69%	acre	\$4.00	FR	100
CSP03	3	Irrigation Management Enhancement	Irrigation Enhancement Index Level 3 – 70-74%	acre	\$6.00	FR	100
CSP03	4	Irrigation Management Enhancement	Irrigation Enhancement Index Level 4 – 75-79%	acre	\$8.00	FR	100
CSP03	5	Irrigation Management Enhancement	Irrigation Enhancement Index Level 5 – 80-84%	acre	\$10.00	FR	100
CSP03	6	Irrigation Management Enhancement	Irrigation Enhancement Index Level 6 - 85% +	acre	\$12.00	FR	100
CSP04	1	Nutrient Management Enhancement	Conduct micronutrient testing to determine plant health requirements and/or the subsequent animal nutrition requirement from the plants. Utilize test results to optimize application rates for plant health and animal nutrition to reduce negative environmental impacts	acre	\$3.00	FR	100
CSP04	2	Nutrient Management Enhancement	Utilize fertilizer application methods that will place nutrients as close as possible to the root zone of the plant and at the time the plants will need them (banding, side-dressing, injection and fertigation).	acre	\$10.00	FR	100

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CSP04	3	Nutrient Management Enhancement	Incorporate manure into soil using equipment that preserves surface residue, reduces odors, reduces nitrogen losses and limits the potential for surface runoff and nutrient transport (Incorporation or Injection).	acre	\$20.00	FR	100
CSP04	4	Nutrient Management Enhancement	Utilize split nitrogen applications based on Pre-Side Dress Nitrate Test (PSNT) or similar soil test to match nutrient applications to plant needs and reduce the potential for nitrogen loss.	acre	\$3.00	FR	100
CSP04	5	Nutrient Management Enhancement	Apply manure to fields that have phosphorus levels equal to or less than 7 ppm (Modified Morgan's) to prevent the buildup of soil phosphorus.	acre	\$5.00	FR	100
CSP04	6	Nutrient Management Enhancement	Intercropping legumes with silage corn to provide nitrogen for corn and a sustainable source of on-farm protein in resulting feed. This reduces the need for grain purchased from off-farm.	acre	\$10.00	FR	100
CSP04	7	Nutrient Management Enhancement	Using Ecological Cropping Systems that integrate crops like BMR SS into a forage rotation. Reduces grain input and thus P import. BMR SS provides forage results equal or better than corn, and requires no herbicides, pesticides, or cultivation to manage. It can be cut three times and benefits from excessive split application of manure. The residue stays on the soil as a cover and provides organic matter to the soil.	acre	\$20.00	FR	100
CSP05	1	Pest Management Enhancement	All cropland fields meet Vermont organic farming requirements in order to develop biological diversity in the fields and disrupt the habitat of pest organisms.	acre	\$7.00	FR	100
CSP05	2	Pest Management Enhancement	Utilize only "low" and "Very Low" risk pesticide management alternatives in order to reduce the potential for pesticides to move with water and eroded soil/organic matter and affect non-targeted organisms.	acre	\$30.00	FR	100
CSP05	3	Pest Management Enhancement	Apply University of Vermont recommended IPM programs that focuses on long-term prevention of pests or their damage through a combination of techniques.	acre	\$10.00	FR	100
CSP05	4	Pest Management Enhancement	Utilize pesticide application equipment, reduce rated applications and targeting techniques that minimize over-application and offsite movement potential.	Year	\$100.00	FR	100
CSP06	1	Grazing Management Enhancement	Increase the number of management units to optimize grazing use with forage production and increase rest periods	acre	\$10.00	FR	100
CSP06	2	Grazing Management Enhancement	Rotate salt, mineral, and supplemental feeding areas for the purpose of better distribution of high concentrations of nutrients.	acre	\$1.00	FR	100
CSP06	3	Grazing Management Enhancement	Restrict access to riparian areas to improve water quality and provide stream bank protection.	acre	\$20.00	FR	100
CSP06	4	Grazing Management Enhancement	Manage animal trails and walkways to provide access to all pastures for improved animal distribution.	acre	\$10.00	FR	100
CSP06	5	Grazing Management Enhancement	Manage grazing to benefit grassland birds	acre	\$2.00	FR	100
CSP06	6	Grazing Management Enhancement	Manage legumes at a 40-60% density (air dry weight) to improve soil fertility, soil quality, forage quality, air quality, and improve wildlife benefits.	acre	\$10.00	FR	100
CSP07	1	Habitat Management Enhancement	Manage expanded riparian forest buffers of at least 10 ft additional width to encourage appropriate plant species that enhance fish and wildlife habitat. Includes replacing non-native species with native species.	acre	\$55.00	FR	100
CSP07	2	Habitat Management Enhancement	Manage expanded filter strips of at least 10 ft additional width to encourage appropriate plant species that enhance fish and wildlife habitat. Includes replacing non-native species with native species.	acre	\$80.00	FR	100

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CSP07	3	Habitat Management Enhancement	Manage habitat transition zones (field borders, hedgerows, etc.) around crop, pasture and hay fields to provide cover and food for pollinators and other wildlife. Manage for native forbes and flowering shrubs in borders to improve food and cover (min. 30 feet wide).	Acre	\$35.00	FR	100
CSP07	4	Habitat Management Enhancement	Manage established habitat or upland conservation buffer strips to encourage wildlife use	acre	\$15.00	FR	100
CSP07	5	Habitat Management Enhancement	Connect habitats through the management and establishment of a forested wildlife corridor.	acre	\$55.00	FR	100
CSP07	6	Habitat Management Enhancement	Exclude grazing from wetlands and riparian areas for the purpose of protecting wetland wildlife habitat.	foot	\$0.25	FR	100
CSP07	7	Habitat Management Enhancement	Time haying to avoid the prime grassland bird nesting period (April 15 to Aug 1)	acre	\$75.00	FR	100
CSP07	8	Habitat Management Enhancement	Leave 1%+ of crop unharvested in 15 foot wide strips along field margins adjacent to escape cover	acre	\$100.00	FR	100
CSP07	9	Habitat Management Enhancement	Manage and improve small, cavity nesting bird habitat by using a minimum of 1 nest box per acre of habitat to improve nesting structure (spacing suited to the target species).	acre	\$5.00	FR	100
CSP07	10	Habitat Management Enhancement	Manage and improve large, cavity nesting bird habitat by using a minimum of 1 nest box per acre of habitat to improve nesting structure (spacing suited to the target species)	acre	\$8.00	FR	100
CSP07	11	Habitat Management Enhancement	Manage and improve bat breeding and roosting habitat by using a minimum of 1 bat house per acre of habitat to improve breeding and roosting structure.	acre	\$8.00	FR	100
CSP07	12	Habitat Management Enhancement	Manage and improve wildlife cover by utilizing brush pile within or adjacent to woodland margins (max of 2 per enrolled acre).	acre	\$20.00	FR	100
CSP07	13	Habitat Management Enhancement	Manage and improve wildlife nesting, denning, and breeding habitat by utilizing snags by "girdling" live trees >6 inches.	acre	\$20.00	FR	100
CSP08	1	Energy Enhancement	Energy audit of agricultural operations	each	\$500.00	FR	100
CSP08	2	Energy Enhancement	Use of perennial legumes in the crop rotation to reduce energy need for production of nitrogen	acre	\$0.70	FR	100
			Use of annual legumes in the crop rotation to reduce energy need for production of nitrogen	acre	\$0.10	FR	100
CSP08	3	Energy Enhancement	STIR Rating less than 60	acre	\$0.50	FR	100
CSP08	4	Energy Enhancement	STIR Rating less than 30	acre	\$0.70	FR	100
CSP08	5	Energy Enhancement	STIR Rating less than 15	acre	\$0.90	FR	100
CSP08	6	Energy Enhancement	Renewable energy generation (wind, solar, geothermal & methane)	Per 100 kWh	\$2.50	FR	100
CSP08	7	Energy Enhancement	5% energy use reduction	Total BTU's	\$100.00	FR	100
CSP08	8	Energy Enhancement	10% energy use reduction	Total BTU's	\$200.00	FR	100
CSP08	9	Energy Enhancement	20% energy use reduction	Total BTU's	\$500.00	FR	100
CSP08	10	Energy Enhancement	Recycling of all used motor oil for tractors and lubricating oil for other farm equipment	Year	\$200.00	FR	100
CSP08	11	Energy Enhancement	Use of renewable energy fuel (Biodiesel or Ethanol). Payments are made in \$25 increments for each 100 gallons actual biofuel used per year.	per 100 gal	\$25.00	FR	100
CSP08	12	Energy Enhancement	Use of manure to supply at least 90% of nutrient needs of plant	acre	\$1.10	FR	100
New Practice	382	Fence	Install fencing only where the participant agrees to go above and beyond the quality criteria for soil and water quality	Feet	1.76	AC	50
New Practice	382	Fence	Install fencing only where the participant agrees to go above and beyond the quality criteria for soil and water quality - LRF / NB Farms	Feet	1.76	AC	65
New Practice	393	Filter Strip	Filter Strip	Acre	193.32	AC	50
New Practice	393	Filter Strip	Filter Strip - LRF / NB Farms	Acre	193.32	AC	65
New Practice	380	Windbreak/Shelterbelt Establishment	Windbreak/Shelterbelt Establishment	Feet	4.41	AC	50
New Practice	380	Windbreak/Shelterbelt Establishment	Windbreak/Shelterbelt Establishment - LRF / NB Farms	Feet	4.41	AC	65
New Practice	614	Watering Facility	Watering Facility	Number	102.23	AC	50
New Practice	614	Watering Facility	Watering Facility - LRF / NB Farms	Number	102.23	AC	65
New Practice	516	Pipeline	Pipeline	Feet	1.39	AC	50
New Practice	516	Pipeline	Pipeline - LRF / NB Farms	Feet	1.39	AC	65
New Practice	789	Transition to Organic Production	Transition to Organic Production	Acre	25.00	AC	50
New Practice	789	Transition to Organic Production	Transition to Organic Production - LRF / NB Farms	Acre	25.00	AC	65
New Practice	316	Animal Mortality Facility	For use beyond the minimum necessary for eligibility	Number	29634	AC	50
New Practice	316	Animal Mortality Facility	For use beyond the minimum necessary for eligibility - LRF / NB Farms	Number	29634	AC	65

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New Practice	327	Conservation Cover	Conservation Cover	Acre	145.92	AC	50
New Practice	327	Conservation Cover	Conservation Cover - LRF / NB Farms	Acre	145.92	AC	65
New Practice	592	Feed Management	Feed Management	Number	1858.80	AC	50
New Practice	592	Feed Management	Feed Management - LRF / NB Farms	Number	1858.80	AC	65
New Practice	386	Field Border	Field Border	Feet	3.72	AC	50
New Practice	386	Field Border	Field Border - LRF / NB Farms	Feet	3.72	AC	65
New Practice	412	Grassed Waterway	Grassed Waterway	Acre	4363.53	AC	50
New Practice	412	Grassed Waterway	Grassed Waterway - LRF / NB Farms	Acre	4363.53	AC	65
New Practice	512	Pasture & Hayland Planting	Pasture and Hayland Planting	Acre	231.42	AC	50
New Practice	512	Pasture & Hayland Planting	Pasture and Hayland Planting - LRF / NB Farms	Acre	231.42	AC	65
New Practice	329A	Residue Management	Residue Management (no-till)	Acre	48.33	AC	50
New Practice	329A	Residue Management	Residue Management (no-till) - LRF / NB Farms	Acre	48.33	AC	65
New Practice	329B	Residue Management	Residue Management (mulch till)	Acre	12.08	AC	50
New Practice	329B	Residue Management	Residue Management (mulch till) - LRF / NB Farms	Acre	12.08	AC	65
New Practice	643	Restoration Management of Declining Habitats	Restoration Management of Declining Habitats	Acre	1579.98	AC	50
New Practice	643	Restoration Management of Declining Habitats	Restoration Management of Declining Habitats - LRF / NB Farms	Acre	1579.98	AC	65
New Practice	391	Riparian Forest Buffer	Riparian Forest Buffer	Acre	1858.8	AC	50
New Practice	391	Riparian Forest Buffer	Riparian Forest Buffer - LRF / NB Farms	Acre	1858.8	AC	65
New Practice	585	Stripcropping	Stripcropping	Acre	23.24	AC	50
New Practice	585	Stripcropping	Stripcropping - LRF / NB Farms	Acre	23.24	AC	65
New Practice	317	Composting Facility	For use beyond the minimum necessary for eligibility	Number	29634.00	AC	50
New Practice	317	Composting Facility	For use beyond the minimum necessary for eligibility - LRF / NB Farms	Number	29634.00	AC	65
New Practice	442	Irrigation	Irrigation (sprinkler), only to be used to facilitate liquid waste applications on adjacent cropland or pasture to improve water and nutrient	Number	20000	AC	50
New Practice	442	Irrigation	Irrigation (sprinkler), only to be used to facilitate liquid waste applications on adjacent cropland or pasture to improve water and nutrient - LRF / NB Farms	Number	20000	AC	65

**NOTE: Some practices which have multiple benefits may be under several different Management Intensities. Participants are eligible for one payment only for the same practice (i.e., participants cannot be paid for the same practice twice).**

LRF / NB Farmer: Limited Resource Farm / New or Beginning Farm